



Math Worksheet for 7th Grade

One-step inequalities

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Answers

1. $x > 3$ — open circle at 3, shade right.
2. $x \leq -2$ — closed circle at -2, shade left.
3. $y \geq 0$ — closed circle at 0, shade right.
4. $t < 5$ — open circle at 5, shade left.
5. $n \geq -4$ — closed circle at -4, shade right.
6. $p < -1$ — open circle at -1, shade left.
7. $z \leq 6$ — closed circle at 6, shade right.
8. $w \leq 1$ — closed circle at 1, shade left.
9. $a > -3$ — open circle at -3, shade right.
10. $b < 0$ — open circle at 0, shade left.
11. Yes ($4 + 2 = 6 < 7$).
12. Yes ($-3 - 1 = -4 \leq -5$).
13. Yes ($3 \cdot 2 = 6 \leq 6$).
14. No ($-2 \cdot (-1) = 2$, and $2 > 2$ is false).
15. Yes ($0 + 5 = 5 \leq 5$).
16. Yes ($\frac{5}{2} = 2.5 < 3$).
17. Yes ($-4 + 3 = -1 \leq -1$).
18. Yes ($-(3) = -3$ and $-3 < -2$).
19. No ($4 \cdot 1 = 4 \leq 5$ is false).
20. No ($-5 / -5 = 1$ and $1 > 1$ is false).
21. $x > 4$.
22. $m \geq 7$.
23. $x < 3$.
24. $y \leq 3$.
25. $x \geq 8$.
26. $k < 5$.
27. $a \leq 4$.
28. $b > -3$.
29. $c > 6$.
30. $x \leq 3$.
31. $x > -4$.



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32. $n \geq 0$.

33. $p > 0$.

34. $q \leq -2$.

35. $r < 15$.

36. $c \geq -3$.

37. $c > 0$.

38. $c \leq 5$.

39. $c < -1$.

40. $c \geq 2$.

41. $c > -4$.

42. $c \geq 0$.

43. $28 + p \leq 40 \rightarrow p \leq 12$.

44. $9 + x \geq 15 \rightarrow x \geq 6$.

45. $32 + b \leq 50 \rightarrow b \leq 18$.

46. $6 + h < 10 \rightarrow h < 4$.

47. $1 + s \geq 3 \rightarrow s \geq 2$.

48. $37 + x \leq 40 \rightarrow x \leq 3$.

49. $18 + m \geq 25 \rightarrow m \geq 7$.

50. $68 + y > 70 \rightarrow y > 2$.